AUSTIN FIRE DEPARTMENT

Risk & Service Delivery Analysis

January - December 2017

The Fire Risk and Service Delivery model was developed to measure life & property risks, in conjunction with fire service delivery within City of Austin. The results show a need for additional stations on the city periphery based on the current risk and response times.

Future Fire Stations

1. **Travis Country**
2. **Moore's Crossing / Del Valle**
3. **Loop 360 / Davenport**
4. **Goodnight Ranch**
5. **Canyon Creek**

Immediate Need

Area has significant development, increased population, and response times which are substantially below AFD's goal of 8 mins (call receipt to onscene, 90%).

Area to Watch

Area has significant development, increased population, and response times which are substantially below AFD's goal of 8 mins (call receipt to onscene, 90%).

New fire stations in area have been funded and could impact response times positively. Will review after stations have been in place to determine if an additional station is needed.

Horizon Area

Area has development, increased population, and response times which are below AFD's goal of 8 mins (call receipt to onscene, 90%). If additional development or population occur, area's ranking could increase.

Fire Zones *(1.5 mile/3 min response planning area)*
1 Ranking of Need
Current Fire Stations
ESD Fire Stations
Dedicated Fire Station Lots

0 0.5 1 2 3 4 Miles

Model Method

1. **Filter all Fire Zones to include:**
   - Areas with only COA Full Purpose jurisdiction
   - Exclude areas already served by an AFD Station
2. **Data elements and weights for calculating COA risk***
   - % of Area Developed (25%)
   - Resident Population (25%)
   - Employee Population (13%)
   - Square footage of all property (37%)
3. **Filter Fire Zones to include those with above average COA risk scores**
4. **Risk/Service Delivery elements and weights for calculating Fire Zone ranks***
   - Response Times (40%)
   - Incident Volume (40%)
   - Homes at risk to Wildfire/Floods (10%)
   - Homes receiving a Class 10 ISO rating (10%)

*All data elements were standardized before combining into composite scores.

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Map and data compiled by the Austin Fire Department's Planning & Research Section. For general use only. January 2018